

Form PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
084437-0143SERIAL NO.
09/824,251

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Mutsuo NISHI et al.

FILING DATE

April 3/2001

GROUP ART UNIT

1774

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
VSC	A1	3,944,699	3/16/76	Mathews et al.	428	220	
	A2	4,187,113	2/5/80	Mathews et al.	430	533	
	A3	5,672,409	9/30/97	Miyakawa et al.	428	141	
	A4	6,096,684	8/1/00	Sasaki et al.	503	227	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	A5	54-29550	9/25/79	Japan			X	
	A6	6-96281	11/30/94	Japan				Abstr.
	A7	2952918	7/16/99	Japan				Abstr.
V	A8	8-143692	6/4/96	Japan				Abstr.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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FOREIGN PATENT DOCUMENTS

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							YES	NO
VSC	B1	1 008 619 A2	6/14/2000	EUROPE				
↓	B2	0 884 347 A2	12/16/1998	EUROPE				
↓	B3	0 672 536 A2	9/20/1995	EUROPE				
↓	B4	0 496 323 A2	7/29/1992	EUROPE				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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